

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	195	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:16
L2	64	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:16
L3	1435	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:16
L4	2712986	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:16
L5	4499397	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:16
L6	2915	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:16
L7	1338349	bus interface	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:16
L8	5	(L1 L2) and L3 and L4 and L5 and L6 and L7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:19
L9	341	Yako.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:20
L10	4	Yako.in. and (optical near2 (disk disc medium))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:21
L12	66	(audio and control and speakers and output and (decision determination)).clm.	US-PGPUB	OR	ON	2007/06/21 12:24
L13	26	(audio and control and speakers and output and (line channel) and (decision determination)).clm.	US-PGPUB	OR	ON	2007/06/21 12:25
L14	16	(audio and control and speakers and connect\$4 and output and (line channel) and (decision determination)).clm.	US-PGPUB	OR	ON	2007/06/21 12:25
S1	1	("20040047253").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/03 10:20
S2	184	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/03 10:20
S3	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/03 10:20

## EAST Search History

S4	1	("20040047253").PN.	US-PGPUB; USPAT	OR	OFF	2006/07/19 09:38
S5	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 09:38
S6	184	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 09:38
S7	14052	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 09:38
S8	42501	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 09:38
S9	1160	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 09:39
S10	184	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 17:37
S11	14052	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 17:37
S12	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 17:37
S13	42501	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/07/19 17:37
S14	1160	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:37
S15	2475690	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:38
S16	4165838	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:38
S17	2360	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:38
S18	1181243	bus interface	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:39
S19	5	(S10 S12) and S14 and S15 and S16 and S17 and S18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:42
S20	10016	audio near2 (encoder decoder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:42
S21	4	S19 and S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/07/19 17:42

## EAST Search History

S22	1	("20040047253").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S23	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S24	186	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S25	1	("20040047253").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S26	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S27	186	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S28	14920	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S29	44256	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S30	1253	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S31	186	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S32	14920	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S33	60	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 14:06
S34	44256	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/01/10 11:26
S35	1253	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S36	2594854	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S37	4336472	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S38	2621	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S39	1261954	bus interface	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S40	5	(S31 S33) and S35 and S36 and S37 and S38 and S39	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:10

## EAST Search History

S41	11061	audio near2 (encoder decoder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S42	4	S40 and S41	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 11:26
S43	27084	speaker near2 (output connection)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 15:55
S44	1261104	channel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:08
S45	5	(S31 S33) and S36 and S38 and (S43 same S44)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:23
S46	5	(S31 S33) and S36 and S38 and (S43 near10 S44)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:12
S47	707672	output near5 control\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:24
S48	2825286	storage memory buffer	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 14:24
S49	1566	speaker near2 (output connection) near2 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 15:55
S50	21	speaker near2 (connection) near2 (information data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 16:04
S51	182	speaker near3 connect\$3 near3 detect\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/10 16:04
S58	15581	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S59	45621	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S60	1402	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S62	15581	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S64	45621	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S65	1402	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23

## EAST Search History

S66	2695573	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S67	4473740	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S68	2863	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S69	1325485	bus interface	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S71	11881	audio near2 (encoder decoder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S74	15581	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S75	45621	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:23
S76	1402	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S78	2695573	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S79	731814	output near5 control\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S80	4473740	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S81	2863	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S82	11881	audio near2 (encoder decoder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S88	29258	speaker near2 (output connection)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S89	1402	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:23
S90	193	(369/47.16).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:31
S91	63	(369/47.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/05/25 15:31

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S92	2695573	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:31
S93	2863	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:31
S94	29258	speaker near2 (output connection)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:31
S95	1312150	channel	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:31
S96	7	(S90 S91) and S92 and S93 and (S94 same S95)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/05/25 15:31
S10 3	15716	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10
S10 4	45894	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10
S10 5	1435	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S10 7	15716	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10
S10 9	45894	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10
S11 0	1435	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 1	2712986	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 2	4499397	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 3	2915	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 4	1338349	bus interface	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 6	12055	audio near2 (encoder decoder)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S11 9	15716	("386").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10

## EAST Search History

S12 0	45894	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/06/21 12:10
S12 1	1435	(prohibit\$4 permission\$2) near7 (audio sound)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S12 3	2712986	memory storage RAM ROM	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S12 4	736215	output near5 control\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S12 5	4499397	channel line	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10
S12 6	2915	(multi multiple several) near2 channel near2 audio	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/06/21 12:10